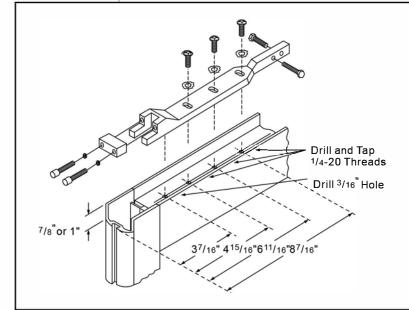
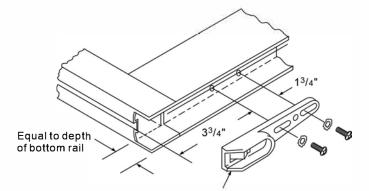
FHC The Glazing Supply Company EXPERIENCE AND INNOVATION





Pivot Bearing Retainer

END LOADING

TOP DOOR RAIL

"A" Type End Loading Arm

Make a 1 "deep cut-out in hinge edge of door as shown.

"PT" Type End Loading Arm

Make a 7/8" deep cut-out in hinge edge door asshown.

Drill or drill and tap holes in top of door as shown.

Position arm in door by placing arm pin in 3/16" hold. Install arm using three 1/4-20 \times ⁵/8" pan head machine screws and lock washers. Center arm in the top rail by adjusting the two $1/4-20 \times 1"$ hex head centering bolts.

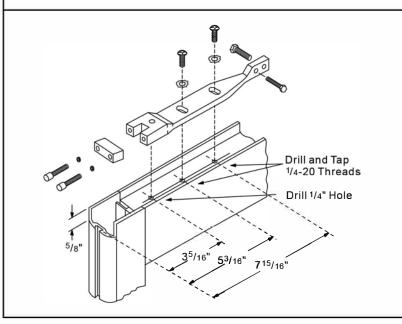
NOTE: After door is installed, the two 1/4-20 ×1" socket head clamp bar cap screws with lock washers must be tightened securely.

BOTTOM DOOR RAIL End Loading

Make cut out in hinge edge of door equal to depth of bottom rail as shown. Drill and tap 1/4-20 holes in bottom rail of door as shown. Install pivot bearing retainer in bottom of door using two 1/4-20 \times 5/8" pan head machine screws and lock washers

Laterally adjust center of pivot bearing retainer 25/8" (or 211/16") from hinge edge of door (not including weatherstripping) and tighten screws securely.

NOTE: For doors with 1" bottom rail depth, pivot bearing stud must be shortened by sawing off at score 1/2" from bottom.



TOP DOOR RAIL

"K" Type End Loading Arm

Make a 5/8" deep cut-out in hinge edge of door as shown.

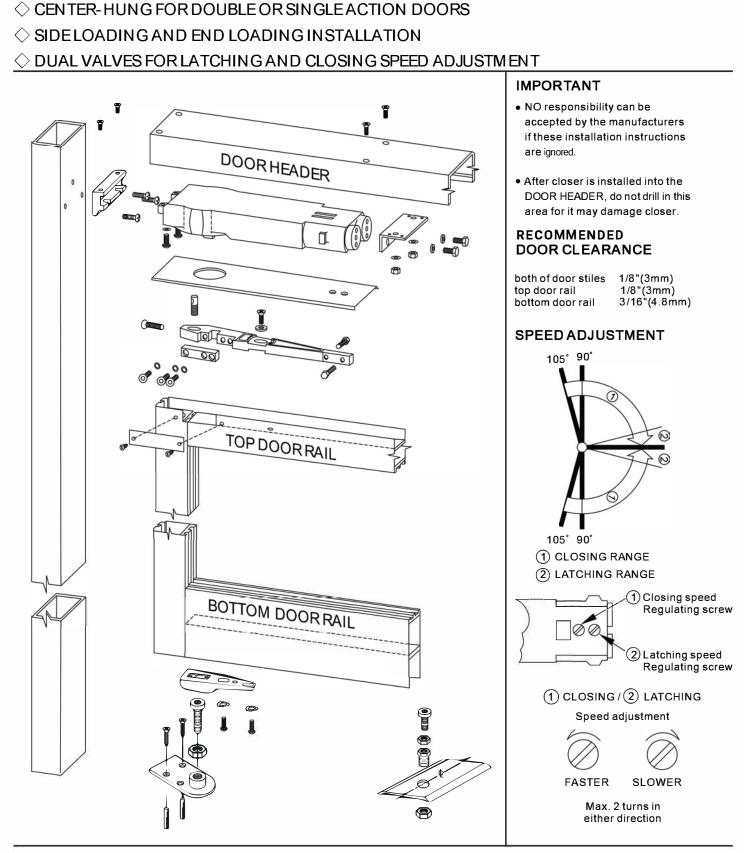
Drill or drill and tap holes in top of door as shown.

Position arm in door by placing arm pin in 1/4" hole. Install arm by using two 1/4-20 \times ⁵/8" pan head machine screws and lock washers. Center arm in the top rail by adjusting the two 1/4 ×20 ×I" hex head centering bolts.

NOTE: After door is installed, the two 1/4-20×1" socket head clamp bar cap screws with lock washers must be tightened securely.



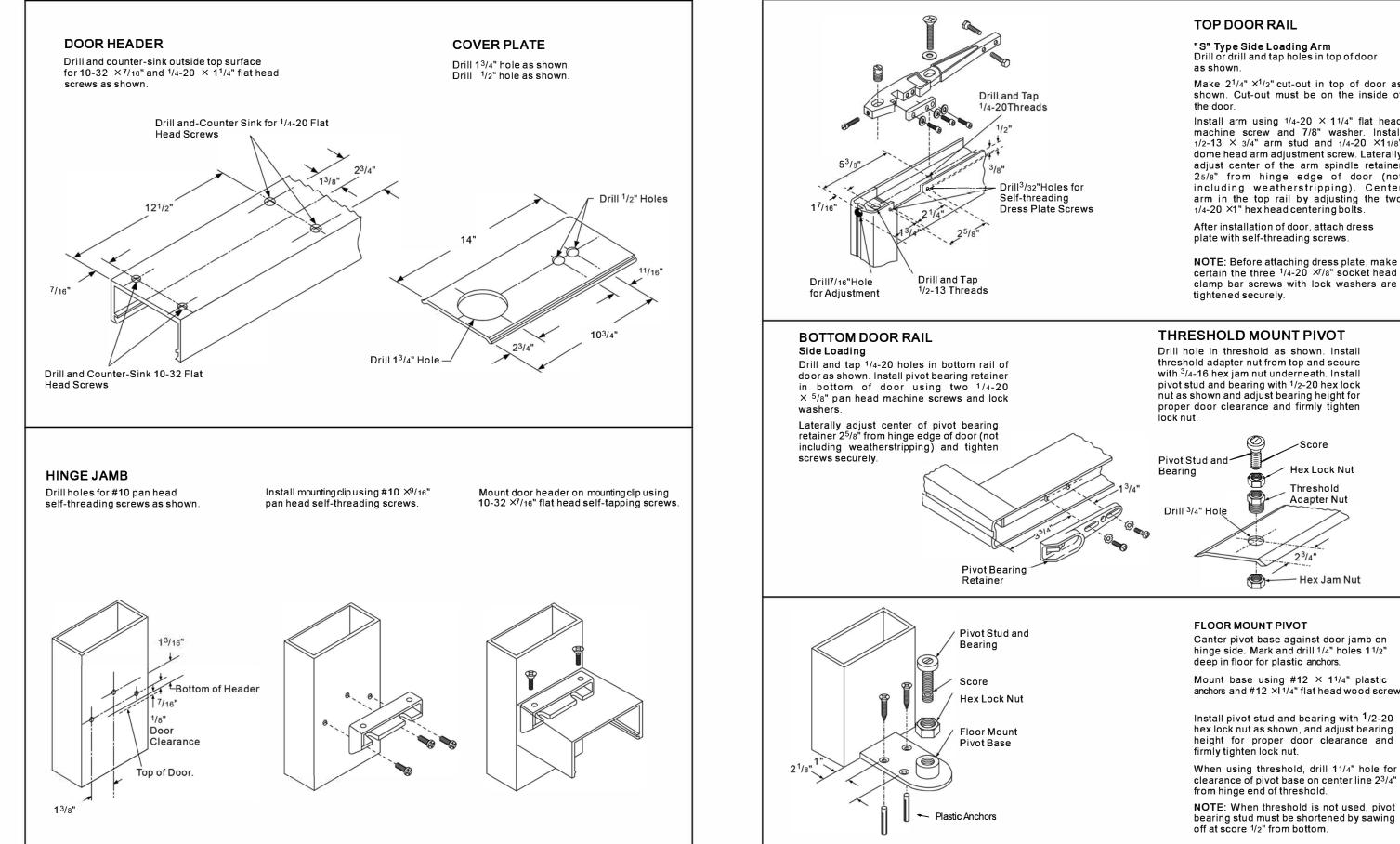
Installation Instructions for All FHC Concealed Overhead Door Closers



PKG0167 11/22

FHC The Glazing Supply Company EXPERIENCE AND INNOVATION **HEADERS & JAMBS**





Make $2^{1/4}$ " $\times^{1/2}$ " cut-out in top of door as shown. Cut-out must be on the inside of

Install arm using $1/4-20 \times 11/4$ " flat head machine screw and 7/8" washer. Install $1/2-13 \times 3/4$ " arm stud and $1/4-20 \times 11/8$ " dome head arm adjustment screw. Laterally adjust center of the arm spindle retainer 25/8" from hinge edge of door (not including weatherstripping). Center arm in the top rail by adjusting the two 1/4-20 ×1" hex head centering bolts.

NOTE: Before attaching dress plate, make certain the three $^{1/4-20}$ $^{\times\!7/8"}$ socket head clamp bar screws with lock washers are

Canter pivot base against door jamb on hinge side. Mark and drill 1/4" holes 11/2"

Mount base using #12 \times 1¹/4" plastic anchors and #12 $\times I^{1/4}$ " flat head wood screws.

Install pivot stud and bearing with 1/2-20hex lock nut as shown, and adjust bearing height for proper door clearance and

clearance of pivot base on center line 23/4"

NOTE: When threshold is not used, pivot bearing stud must be shortened by sawing